

## PATENT ABSTRACTS OF JAPAN

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### (54) DIRECTIONAL SPEAKER SYSTEM

#### (57)Abstract:

**PURPOSE:** To utilize masking effect by using a speaker in dual-voice-coil structure having two coils for one speaker as some of speakers which are arranged in array on a baffle plate.

**CONSTITUTION:** On the baffle plate, woofer units 1 and tweeter units 2 are arrayed in plane and two signal input terminals 5 and 6 are fitted to a cabinet. The signal input terminals 5 are all connected to the speakers and the terminal 6 is connected to only the speaker 13 having dual voice coils. To generate a dark noise in background music, etc., a connection with the signal input terminal 6 is made from a signal source 22 through an amplifier 18 and a dark noise signal is applied to the speaker 13 having the dual voice coils to reproduce the background music. Thus, the speaker 13 operates for both dark noise reproduction and the reproduction of a signal to be transmitted.

